



# CITY OF PETALUMA

POST OFFICE BOX 61  
PETALUMA, CA 94953-0061

Teresa Barrett  
Mayor

Brian Barnacle  
D'Lynda Fischer  
Mike Healy  
Dave King  
Kevin McDonnell  
Dennis Pocekay  
Councilmembers

## ADDENDUM NO. 3

### Ellis Creek Water Recycling Facility Tertiary Filtration Expansion UV Disinfection Equipment Modifications Project City Project Number C66401416

November 3, 2022

This Addendum No. 3 modifies the Bidding Documents for the Ellis Creek Water Recycling Facility Tertiary Filtration Expansion – **UV Disinfection Modifications Project, C66401416**. This Addendum shall become part of the Contract and all provisions of the Contract shall apply thereto. Bidders shall acknowledge all Addendums in the Bid Schedule.

### CORRECTION OF PROJECT SPECIFICATIONS AND DRAWINGS

#### Public Works & Utilities

City Engineer  
11 English Street  
Petaluma, CA 94952  
Phone (707) 778-4303

Environmental Services  
Ellis Creek Water  
Recycling Facility  
3890 Cypress Drive  
Petaluma, CA 94954  
Phone: (707) 776-3777  
Fax: (707) 656-4067

Parks & Facility  
Maintenance  
840 Hopper St. Ext.  
Petaluma, CA 94952  
Phone (707) 778-4303  
Fax (707) 206-6065

Transit Division  
555 N. McDowell Blvd.  
Petaluma, CA 94954  
Phone (707) 778-4421

Utilities & Field Operations  
202 N. McDowell Blvd.  
Petaluma, CA 94954  
Phone (707) 778-4546  
Fax (707) 206-6034

E-Mail: [publicworks@cityofpetaluma.org](mailto:publicworks@cityofpetaluma.org)

Please see updates to the project specifications and drawings below:

1. Section 13122:
  - a. Part 1.04.B.2.c.1: Replace with the following “Collateral loading shall be considered a dead load.”
  - b. Part 1.04.B.2.d.3: Replace with the following “Auxiliary loading shall be considered a dead load.”
  - c. Part 2.02.A.5: Replace with the following “a. Galvanized – hot-dipped: 1. Hot-dip galvanize members in accordance with ASTM A123. 2. Provide a minimum zinc coating of not less than 1.4 ounces per square foot.
  - d. Part 2.02.B.5: Replace with the following “a. Galvanized – hot-dipped: 1. Hot-dip galvanize members in accordance with ASTM A123. 2. Provide a minimum zinc coating of not less than 1.4 ounces per square foot.
  - e. Part 2.02.B.6.b: Delete this section.
  - f. Add the following as Part 2.02.G.4 “26-gauge Galvalume substrate is an acceptable substitution for these components.”
2. Section 15052:
  - a. Part 3.03, Piping Schedule: Add the following:

[See Table on next page]

Process Abbrev.	Service	Nominal Diameter (inches)	Material	Pressure Class Special Thickness Class Schedule Wall Thickness	Pipe Spec. Section	Joints/Fittings	Test Pressure/ Method	Lining	Coating
FEF	Filter Effluent								
	Submerged	4-36	Steel, AWWA C200	Per Spec	15278	WLD or GE	60 ft/HH	CM	Epoxy EPX-M-3, or similar per 09960

3. Section 16050:
  - a. Part 1.04.B.1: Delete Item 1. “1. Add two VFDs to 20-MCC-A to power new tertiary pump station pumps. Perform other work at the tertiary pump station as indicated on the Drawings.”
4. Drawing 08M01:
  - a. DELETE Key Note 10.

## **QUESTIONS AND ANSWERS**

***Q: Spec Section 16050 – 1.04.B indicates adding two VFDs to 20-MCC-A for the new Tertiary Pump Station pumps, I assume this is not correct. Please clarify.***

A: This assumption is correct. The specification has been updated per this addendum, and the VFD item has been deleted.

***Q: Drawing 00N01B indicates a 12-strand Fiber Optic Cable from the existing PLC7 to the new UV Master Control Panel. Is this FO cable existing? I do not see it referenced within the conduit schedules. Is there an existing conduit available?***

A: This item is under review. Any required changes will be issued in the next addendum.

***Q: Per Note 10 on Drawing 08M01 we are to install a new control weir, does this require demolition of the existing weir and concrete/grout in order to install the new weir? Can more detail be provided on the removal and re-installation of the weir?***

A: Weir installation has been removed from the contract as part of this addendum.

***Q: Regarding the UV Disinfection Equipment Modification Project at the Ellis Creek WRF, please provide a specification for 24” FEF piping as shown in Section B/08M02.***

A: Section 15052 has been updated to include the schedule for FEF piping as part of this Addendum.

***Q: What is the plan for sidewalk demolition and restoration for the UV facility improvements? It looks like (E) sidewalk will need to be removed and relocated for construction of the NW canopy grade beam work.***

A: This item is under review. Any required changes will be issued in the next addendum.

***Q: Can you address how channels will need to be isolated for phased UV channel work? The influent side of the channel have slide gates for isolation, but it appears the effluent ends of the channels are open ended and will require a bulkhead for isolation.***

A: Reference Section 01140, Part 1.10.B.3.

***Q: How is the channel 3 (effluent end) currently isolated from channels 1 & 2?***

A: All three channels have effluent weirs installed.

***Q: What shutdown windows are permitted in the RW off-season for Class C concrete fill and diffuser manifold removal and replacement work? Is a bypass required?***

A: Reference Section 01140, Part 1.04.

***Q: Is any bypassing required for UV channel module replacements, electrical MCC modification/switchover for new UV modules and UV testing?***

A: Reference Section 01140, Part 1.10.B.3.

***Q: What is the maximum RW off-season shutdown permissible for switch over to the new UV system and electrical?***

A: Reference Section 01140, Part 1.04.

***Q: Tertiary Effluent Meter Vault: What is the shutdown period allowed for the mechanical replacements in the meter vault?***

A: Reference Section 01140, Part 1.04.

***Q: Section 13122, Part 1.04.B.1.a advises that the design of the building be also based on the Metal Building Systems Manual. As stated in the second paragraph of the attached MBMA preface "the MBMA Systems manual now focuses on how to apply the loads specified by the IBC and ASCE 7," therefore the design of the building shall solely be governed by the 2019 CBC. Please confirm acceptance of this.***

A: It is acceptable to design the building per the CBC and ASCE 7 provided that the recommendations in the MBMA manual are followed.

***Q: Section 13122, Part 1.04.B.2.c.1 requests that the collateral load be considered a live load, attached are pages 59 & 74 of the 2019 California Building Code, that define what a collateral load is and what a live load is. Collateral loads cannot be combined with live loads because collateral loads are a subset of dead loads. Please confirm acceptance of this.***

A: It is acceptable to consider collateral loads as dead loads only. Section 13122 has been updated per this Addendum.

***Q: Section 13122, Part 1.04.B.2.d.3 requests that auxiliary loading shall be considered a live load, auxiliary loading is considered a collateral load and therefore cannot be considered a live load. Please confirm acceptance of this.***

A: It is acceptable to consider auxiliary loads as a dead load being applied concurrently with collateral loads. Section 13122 has been updated per this Addendum.

***Q: Section 13122, Part 2.02.G requests 24ga galvanized steel gutter and downspouts to meet ASTM A653 G60 designation, due to the manufacturing process required for these components 24 ga Galvanized G60 material is not available, therefore 26 ga Galvalume substrate is to be used for these components. Please confirm this is acceptable.***

A: This is acceptable. Section 13122 has been updated per this Addendum.

***Q: Sheet 08S03 shows that there is a 1'-0" minimum clearance required under the frame to the top of the existing bridge crane, what is the difference in the elevation between the bottom of the bridge crane and the bottom of the disinfection canopy building?***

A: The top of the existing bridge crane is elevation 35.33 +/- . This elevation should be field verified by the Contractor prior to the design of the canopy.

***Q: Section 13122, Part 2.02.A.5 Primary Frames call for electroplate galvanizing. Welded plate and hot rolled sections are hot dipped galvanized, not electroplated. The specification also calls for removal of shop primer and application of High Performance Coating (Section 09960). If the Primary Frames are hot dipped galvanized does not have primer. What is the finish of the Primary Frames; hot dipped galvanized or High Performance Coatings?***

A: Primary frames shall be hot-dipped galvanized. Section 13122 has been updated per this Addendum.

***Q: Section 13122, Part 2.02.B.6 Secondary Framing calls for G90 galvanized. The specification also calls for removal of shop primer and application of High Performance Coating (Section 09960). If the Secondary Framing is galvanized does not have primer. What is the finish of the Secondary Framing; hot dipped galvanized or High Performance Coatings?***

A: Secondary frames shall be hot-dipped galvanized. Section 13122 has been updated per this Addendum.

***Q: Section 13122, Part 2.02.C.4.a Roof Panel Finish by definition calls for galvalume (AZ50). 2.02C, 4b calls for galvanized. These are two different systems (one or the other). Confirm Galvalume is an acceptable finish.***

A: Galvalume is acceptable for the roof panel finish. Section 13122 has been updated per this Addendum.

***Q: Section 13122, Part 2.02.C.2 Roof Panels calls for “interlocking side seams”. Ribbed panels interlock by nature over the overlap and seamed roof panel interlock by nature of mechanically seaming. Confirm if the roof is to be overlapping or mechanically seamed.***

A: Provide standing-seam roof panels that are mechanically seamed.

***Q: Precast vault – 1 aluminum access hatch or two each side by side hatches for the 6' x 8' hatch opening?***

A: Either arrangement could work as long as valves are accessible.

***Q: Precast vault – Is the hatch to be traffic rated?***

A: Hatch does not need to be traffic rated.

***Q: Precast vault – No drainage detailed for the vault.***

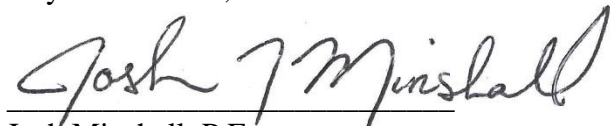
A: Reference Section 02085, Part 2.01.J for clarification.

***Q: Precast vault – No sump pump or electrical detailed for the vault.***

A: This is unnecessary. Reference Section 02085, Part 2.01.J for clarification.

**Summary of Changes:** Some project specifications and drawings have been updated per above. Some project questions have been answered above. All other items of the bid documents shall remain unchanged.

City of Petaluma,



Josh Minshall, P.E.

Senior Civil Engineer

Public Works & Utilities Department

**A signed copy of this Addendum and the attached acknowledgement form shall be attached to the bid proposal. Failure to do so may cause rejection of your bid as being non-responsive.**

**ADDENDUM NO. 3**

**Ellis Creek Water Recycling Facility Tertiary Filtration Expansion  
UV Disinfection Equipment Modifications Project  
City Project Number C66401416**

**November 3, 2022**

**ACKNOWLEDGEMENT**

Receipt of Addendum No. 3 is hereby acknowledged by \_\_\_\_\_  
(Contractor's Name)

on the \_\_\_\_\_ day of \_\_\_\_\_, 2022.

By: \_\_\_\_\_

Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Company